

AMENDMENTS TO THE CLAIMS:

Kindly amend claim 6 and add new claim 8 as follows.

This listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Canceled)
2. (Canceled)
3. (Previously Presented): A method of writing information on a reversible heat-sensitive paper, comprising the steps of:

preparing a reversible heat-sensitive paper comprising a reversible heat-sensitive layer that comprises an electron donative dyestuff precursor and a phenol-based compound with long chains in the alkyl group as a reversible developer that colors and uncolors the electron donative precursor, by heating the reversible heat sensitive layer to a molten state and then quickly cooling to a solid colored state; and

heating a part of the reversible heat-sensitive recording layer to a color-erasing temperature range that is lower than the melting temperature of the reversible heat sensitive recording layer, wherein the part is uncolored and stores the information.

4. (Previously Presented): A method of writing information on a reversible heat-sensitive paper comprising the steps of:

preparing the reversible heat-sensitive paper comprising a reversible heat-sensitive recording layer that comprises an electron donative precursor and a phenol-based compound with

long chains in the alkyl group as a reversible developer that colors and uncolored the electron donative precursor, formed on a supporting base;

irradiating the reversible heat-sensitive paper with light;

heating an irradiated part so that the reversible heat-sensitive recording layer is heated to a molten state, then quickly cooling the irradiated part to produce a colored portion; and

irradiating the colored portion with light partially in superimposition to produce a double irradiated portion, and uncoloring the doubled irradiated portion by maintaining the portion in a color-erasing temperature range that is lower than the melting temperature of the reversible heat-sensitive recording layer, for a predetermined time.

5. (Canceled)

6. (Currently Amended): A method of writing information on a reversible heat-sensitive paper, comprising the steps of:

providing a reversible heat-sensitive paper comprising a reversible heat-sensitive recording layer that comprises an electron donative precursor and a phenol-based compound with long chains in the alkyl group as a reversible developer that colors and uncolors the electron donative precursor, formed on a supporting base;

irradiating the reversible heat-sensitive paper with light to heat the paper; and

selectively cooling a second portion of the paper at a sufficiently fast ~~relatively faster~~ rate to produce a colored portion while substantially maintaining coloring density of the reversible heat sensitive paper.

7. (Canceled)

8. (NEW): A method of writing information on a reversible heat-sensitive paper, comprising the steps of:

providing a reversible heat-sensitive paper comprising a reversible heat-sensitive recording layer that comprises an electron donative precursor and a phenol-based compound with long chains in the alkyl group as a reversible developer that colors and uncolors the electron donative precursor, formed on a supporting base;

irradiating the reversible heat-sensitive paper with light to heat the paper;

selectively cooling a first portion of the paper at a relatively slow rate to produce an uncolored portion; and

selectively cooling a second portion of the paper at a relatively faster rate to produce a colored portion.